

## Abstract

A semiconductor storage device connected to the host system through the general purpose interface, including a semiconductor storage media module (1) and a controller module (2), in which the controller module (2) consists of a general purpose interface control module (21), a microprocessor and control module (22). Various device class protocols can be realized at the interface application level of the semiconductor storage device, which makes it possible to simulate and realize the storage functions of various storage disks. One or a plurality of storage spaces are opened up in the semiconductor storage media and one or a plurality of storage disks are supported by the same device; furthermore, the device supports hot plug and play and it is removable.

(Fig. 1/9)